

Umar Shahbaz Khan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4915401/publications.pdf>

Version: 2024-02-01

22
papers

265
citations

1039880

9
h-index

1058333

14
g-index

22
all docs

22
docs citations

22
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing classification accuracy of fNIRS-BCI using features acquired from vector-based phase analysis. <i>Journal of Neural Engineering</i> , 2020, 17, 056025.	1.8	36
2	Background removal from GPR data using Eigenvalues. , 2010, , .		31
3	Advancements, Trends and Future Prospects of Lower Limb Prosthesis. <i>IEEE Access</i> , 2021, 9, 85956-85977.	2.6	22
4	Analyzing Classification Performance of fNIRS-BCI for Gait Rehabilitation Using Deep Neural Networks. <i>Sensors</i> , 2022, 22, 1932.	2.1	22
5	Design and Analysis of a High-Gain and Robust Multi-DOF Electro-thermally Actuated MEMS Gyroscope. <i>Micromachines</i> , 2018, 9, 577.	1.4	17
6	Enhancing Classification Performance of fNIRS-BCI by Identifying Cortically Active Channels Using the z-Score Method. <i>Sensors</i> , 2020, 20, 6995.	2.1	15
7	EMG Based Control of Transhumeral Prosthesis Using Machine Learning Algorithms. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 3522-3532.	1.6	15
8	Design of Embedded System for Multivariate Classification of Finger and Thumb Movements Using EEG Signals for Control of Upper Limb Prosthesis. <i>BioMed Research International</i> , 2018, 2018, 1-11.	0.9	14
9	Optimized circuit for EMG signal processing. , 2012, , .		13
10	Microfabrication Process-Driven Design, FEM Analysis and System Modeling of 3-DoF Drive Mode and 2-DoF Sense Mode Thermally Stable Non-Resonant MEMS Gyroscope. <i>Micromachines</i> , 2020, 11, 862.	1.4	13
11	A Review of Application of Deep Learning for Weeds and Crops Classification in Agriculture. , 2019, , .		12
12	Design, closed-form modeling and analysis of SU-8 based electrothermal microgripper for biomedical applications. <i>Microsystem Technologies</i> , 2019, 25, 1171-1184.	1.2	11
13	Multi-Response Optimization of Electrothermal Micromirror Using Desirability Function-Based Response Surface Methodology. <i>Micromachines</i> , 2017, 8, 107.	1.4	7
14	Energy Storage for Energy Security and Reliability through Renewable Energy Technologies: A New Paradigm for Energy Policies in Turkey and Pakistan. <i>Sustainability</i> , 2021, 13, 2823.	1.6	7
15	Enhancing Classification Accuracy of Transhumeral Prosthesis: A Hybrid sEMG and fNIRS Approach. <i>IEEE Access</i> , 2021, 9, 113246-113257.	2.6	7
16	LASSO Homotopy-Based Sparse Representation Classification for fNIRS-BCI. <i>Sensors</i> , 2022, 22, 2575.	2.1	7
17	Efficient FIR Filter Implementations for Multichannel BCIs Using Xilinx System Generator. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	6
18	Design of non-conventional chain drive mechanism for a mini-robot. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
19	Automated greenhouse system. , 2019, , .		4
20	Formal Verification and Development of an Autonomous Firefighting Robotic Model. , 2019, , .		1
21	Fatigue testing of MEMS device developed by MetalMUMPs fabrication process. , 2016, , .		0
22	3-D Shape Recovery from Image Focus Using Rank Transform. Lecture Notes in Computer Science, 2016, , 514-523.	1.0	0